

# **VistAWeb**

# **User Manual**

Version 5.0 (Patch WEBV\*1\*7)

July 2006

Department of Veterans Affairs Veterans Health Administration Office of Information Health Systems Design & Development, Health Data Systems, Current Systems

# **Revision History**

·	D ( )	<b>D</b> ()		<b>.</b>	<del>-</del>
Date	Patch	Page(s)	Change(s)	Project	Technical
- /- /o.o.	14/551/4/45			Manager	Writer
7/7/06	WEBV*1*7	1, 10, 11	Accessing VistAWeb	S. Madsen	M. Kelsey
			from the CPRS Remote		
		0 0	Data Available button.		
		2 – 9	What's New with		
		20	VistAWeb Release 5.0?		
		22	VistAWeb "wait"		
			message for multiple-site patient		
		25	Progress Notes with new		
		25	"Number" of notes		
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			facilitate the processing		
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		14	to description of turning		
			off the pop-up blocker		
			and added section		
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			section on Requesting Special User Access to		
			reflect new procedures.		
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3/22/03	VVLDV I T	ividitipic	Home Telehealth vitals	J. 51111111	0. 010011
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0,22,00		., ., 0, 0, 10, 10	patient context warning	3. 3	
			message, Autopsy and		
			Cytopathology reports		
			added, new screen		
			captures, Home		
			Telehealth vitals, copy to		
			clipboard and group		
			functionality added.		
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2/10/05	n/a	5, 8, 21, 23	Update screen shots and remove URLs from screen shots		
1/12/05	OR*3*230	All	Initial User Manual for use with beta test version		

# **Table of Contents**

REVISION HISTORY	III
TABLE OF CONTENTS	V
VISTAWEB	1
Introduction	1
KNOWN CONSTRAINTS	
Figure 1: Setting Internet Explorer to Allow Pop-ups	
WHAT'S NEW WITH VISTAWEB RELEASE 5.0?	
Brief Overview of the Health Data Repository (HDR)	3
Allergies, Outpatient Pharmacy, and Vitals Data from the HDR	4
Figure 2: Sites & Notices	
Figure 3: Allergies Report	
Figure 4: All Outpatient Report	
Graphing Tool Added to Vitals	
Figure 5: Vitals Report	
Figure 6: Selecting the Graph to Display	
Figure 7: Temperature Graph	
Local and VISN Health Summaries	
Figure 8: Health Summaries	
ACCESSIBILITY	
VistAWeb under the CPRS Tools Menu	
Figure 9: VistAWeb from the Remote Data Available Button	
Figure 10: Change the Remote Data View to RDV Classic	
VistAWeb Directly from IE	
VISTAWEB UNDER THE CPRS TOOLS MENU	
LAUNCHING VISTAWEB FROM CPRS	12
Figure 11: VistAWeb Access from the CPRS Tools Menu	
Figure 12: Initial Launch Using CPRS Access and Verify Codes	
PATIENT CONTEXT IN VISTAWEB	
Figure 13: Two CPRS Sessions: One in Context, One Not in Context	
VISTAWEB DIRECTLY FROM IE	
LAUNCHING VISTAWEB FROM IE	_
Figure 14: VistAWeb Home Page	15
Figure 15: VistAWeb – VistA Site-Login Screen	
Figure 16: Patient Selection	
SPECIAL USERSFigure 17: Multiple Site (Special User) Patient Lookup	
REQUESTING SPECIAL USER ACCESS	
USING VISTAWEB	
PATIENT SELECTIONFigure 18: Using the Patient Selection Screen to "Find" a Patient	
Sensitive Patient Warning	
	∠∪

Figure 19:	Restricted Record – Sensitive Patient Warning	20
<b>AUTOMATIC RE</b>	TRIEVAL OF DATA FROM MULTIPLE SITES	
Figure 20:	Please WaitMessage	21
Figure 21:	Patient Data Available at Multiple Sites	
	FOF ALL REPORTS	
Figure 22:	Expanded List of Reports	22
	PLES	
Text Reports	3	23
	Patient Inquiry Text Report	
Text Report	with Date Range Option	23
Figure 24:	Progress Notes Report with Date Range, Number, and Query	24
Predefined F	Filtering and Date Range	24
Figure 25:	Date Range for Lab and Other Large Volume Reports	25
Data Grid		
Figure 26:	Vital Sign Report Presented as Table	26
Figure 27:	View Details of Vital Signs Report	
Data Grid wi	th Copy to Clipboard Option	27
Figure 28:	Copy to Clipboard	28
Figure 29:	CPRS – Medications Pasted into Progress Note from VistAWeb.	29
Data Grid wi	th View Detail	29
Figure 30:	Progress Notes	30
Figure 31:	View Details of Progress Note	30

# **VistAWeb**

### Introduction

Veterans Health Information Systems and Technology Architecture (VistA) VistAWeb is an intranet web application used to review remote patient information found in VistA and the Health Data Repository (HDR) databases. VistAWeb mirrors the behavior of the Computerized Patient Record System (CPRS) and Remote Data View (RDV). However, by permitting a more robust and timely retrieval of remote-site patient data, VistAWeb is also an enhancement to CPRS/RDV.

There are three ways to access VistAWeb. VistAWeb may be made available from the Tools Menu within CPRS, and it can be selected as the default method of retrieving data from the Remote Data Available button in CPRS. The CPRS-spawned versions of VistAWeb are compliant with the Health Level 7 (HL7) Clinical Context Object Workgroup (CCOW) standards and therefore maintain context with the patient selected in CPRS. As a third option, VistAWeb can be accessed in a standalone mode by entering the uniform resource locator (URL) link (https://vistaweb.med.va.gov/) in the Internet Explorer address bar.

The standalone version of VistAWeb is connected to neither CPRS nor the clinical context management application. Standalone VistAWeb serves an important function for users who have been granted special access to multiple sites, such as for National Programs, VA researchers, and others. VistAWeb was also made available more broadly, though temporarily, to assist clinical staff with the retrieval of patient information from the sites affected by damage caused by hurricane Katrina.

These methods are discussed in more detail in later sections of this manual.

### **Known Constraints**

There are known constraints in the installation and use of VistAWeb:

VistAWeb is a CCOW-compliant application. If VistAWeb is launched from CPRS on a
computer without the CCOW-compliant Vergence Desktop Components installed, a
message will be displayed saying "VistAWeb is CCOW compliant and has been
unsuccessful in locating a CCOW vault. Please contact your local IRM for assistance."
VistAWeb will then exit.

**Note:** Information Resources Management (IRM) staff should refer to the VistAWeb Informational Patch OR\*3\*230 for guidance on where to find information and who to talk to about installation and configuration of the CCOW Desktop Components. Additional CCOW information can be found at <a href="http://vista.med.va.gov/vistaweb/index.htm">http://vista.med.va.gov/CCOW/index.htm</a>.

http://vista.med.va.gov/CCOW/index.html.

2. Access to VistAWeb in a test account should *not* be made available to general users. Access *should* be made available in a production account. Accessing VistAWeb in test accounts will require the user to enter the IP address and port number of the test system

each time a patient selection is performed. Access to VistAWeb in a test account should be restricted to IRM staff for limited testing purposes only.

**Note:** Using VistAWeb to look up "*test patients*" may produce confusing results. Normally, no two sites ever have the same test patients. Using a test patient in a production account may seem to work okay, but can cause VistAWeb to error out as it attempts to reconcile a test patient at multiple sites.

3. VistAWeb uses pop-ups. Field facilities that have chosen to turn off pop-ups on desktops will need to allow them for VistAWeb. In *Internet Explorer* in the *Tools* menu pull-down, select *Pop-up Blocker>Pop-up Blocker Settings*, type the VistAWeb URL in the "Address of the Web site to allow:" box, and click the "Add" button.

Figure 1: Setting Internet Explorer to Allow Pop-ups





### What's New with VistAWeb Release 5.0?

New functionality has been added to VistAWeb. If you are already familiar with VistAWeb, read these sections on what's new. If you are not already familiar with VistAWeb, you may want to look through the rest of this manual first and then come back to these sections on what's new.

- 1. In addition to Home Telehealth Vitals, VistAWeb now supports the display of standardized Vitals, Allergies, and Outpatient Pharmacy data reported to the Health Data Repository (HDR).
- 2. In addition to national health summaries, VistAWeb now displays local and VISN health summaries.
- 3. Columns in reports that contain numerical data can be clicked on to sort the data in numerical order.

- 4. The conventions were formalized for retrieval and display of the Primary Facility in the Site field of VistAWeb Allergies, Outpatient Pharmacy, and Vitals reports.
- 5. VistAWeb was reviewed for compliance with Section 508 of the Rehabilitation Act. Accessibility issues that were revealed in the review were resolved for this release (or have planned resolutions).

A short description of the HDR project is provided as background information about some data that VistAWeb is now capable of exposing.

### Brief Overview of the Health Data Repository (HDR)

The purpose of the HDR project is to establish a clinical data repository. A clinical data repository is a collection of clinical information that resides on one or more independent platforms and is used by clinicians and other personnel to facilitate longitudinal patient-centric care. The data in the HDR will be retrieved from existing VistA files and organized in a format that supports the delivery of care, regardless of the patient's current location or where the patient has been treated in the past. Additionally, the HDR will serve five main purposes:

- Serve as a primary source for the legal medical record,
- Enable the generation of clinical reports based on the entire clinical holdings of VHA,
- Serve as a platform for a re-engineered CPRS,
- Serve as a platform for patient self-access to the medical record, and
- Support standardization between and among Department of Defense, Indian Health Services, and other government and private industry clinical databases through the creation of a standards-based database.

To accomplish this complex task of consolidating the clinical patient data from all of the VistA sites and creating a new system of data storage and retrieval, three different, but interrelated database strategies are being employed: HDR-Historical, HDR-Interim Messaging Solution (IMS), and HDR II. To date, only HDR-Historical and HDR-IMS are storing data.

Data in HDR-Historical is being extracted on a domain-by-domain basis from a specified "date-backward" to the beginning of the clinical records in VistA. Data in HDR-IMS is extracted on a domain-by-domain basis from a specified "date-forward" and stored as HL7 messages in the IMS database. Data in HDR-IMS has been standardized by the VHA's Data Standardization team in collaboration with domain stakeholders and subject matter experts. The domains in HDR-Historical have not been standardized—except for Allergies. Because a previously reported allergy, for instance an allergy to Penicillin, would have obvious relevance to present-day patient care, it was decided to standardize the allergies domain both backward and forward in time. Other domains may also be determined to require full standardization.

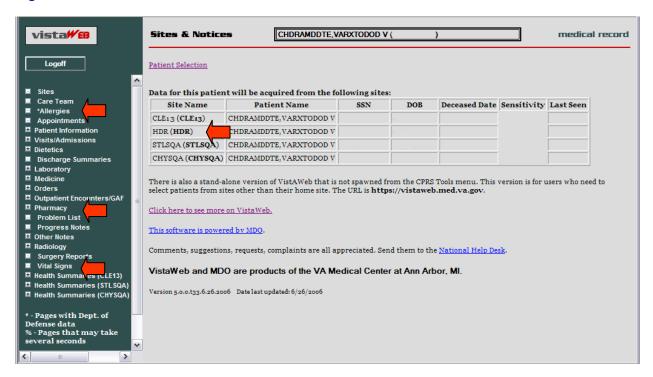
A read service (and in the future, a write service) called Clinical Data Services (CDS) returns the clinical patient data for the Vitals, Allergies, and Outpatient Pharmacy domains from the

HDR databases to the VistAWeb application in response to requests for data by VistAWeb users.

### Allergies, Outpatient Pharmacy, and Vitals Data from the HDR

The following screen capture of the VistAWeb Sites and Notices screen shows a test patient with site listings of CLE13, HDR, STLSQA, and CHYSQA. The HDR site contains VA and DoD data for the test patient.

Figure 2: Sites & Notices



Allergy data for the patient is exposed by clicking on the Allergies selection in the reports pane. When the Allergies report is displayed, site entries that have asterisks indicate that the data came from the HDR. In this test-account instance, Clinical Data Repository-Health Data Repository (CHDR) data is indicated by the fact that the site name is a DoD facility (4<sup>th</sup> Medical Group). The CHDR project is being designed to create interoperability between VA and DoD repositories through two-way exchange of computable medical information for active dual consumers.

As shown in the next two screen captures, this version of VistAWeb supports retrieval of Allergy and Outpatient Pharmacy data from HDR sites.

Figure 3: Allergies Report

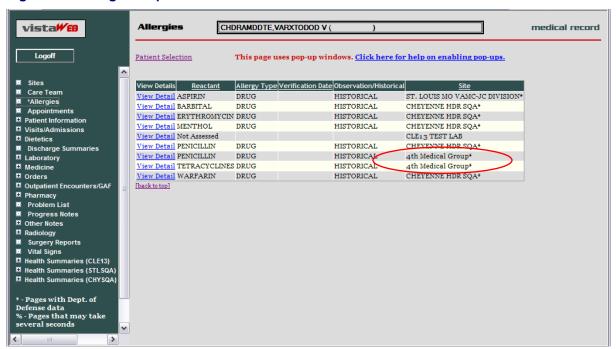
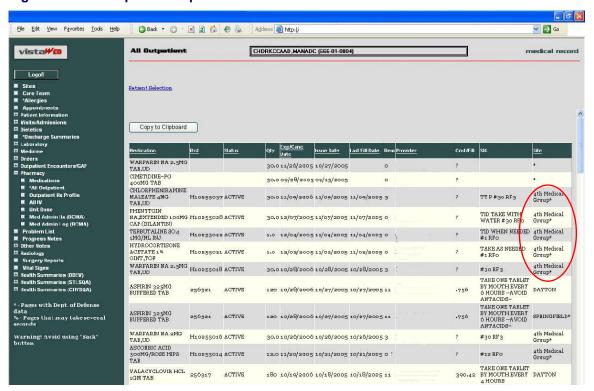


Figure 4: All Outpatient Report

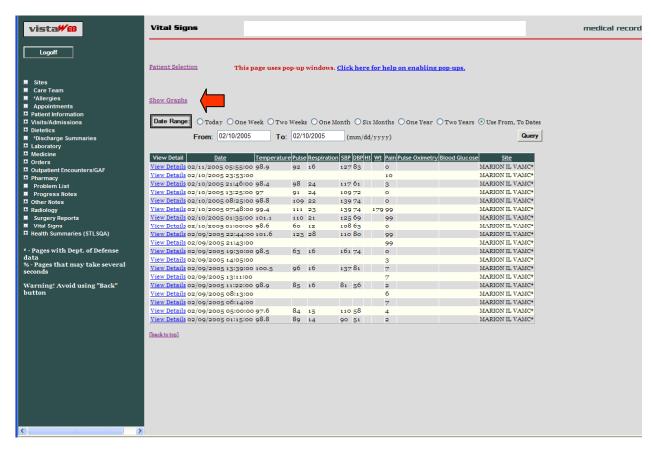


### **Graphing Tool Added to Vitals**

Vitals data from HDR-IMS was entered through the Home Telehealth interface and through the Vitals package at VistA sites. Historical Vitals were extracted from the VistA databases and stored in the HDR-Historical database. To view a graph, first select Vital Signs from the reports pane and then pick a date range and click Query. VistAWeb displays a vitals report similar to the following.

**Note:** CDS expands date ranges to accommodate time zone differences between sites. CDS returns data one day before through one day after the requested date if data is available. This "expanded" date range only applies to Home Telehealth Vitals data coming from the HDR. You can see the effect of this by looking closely at <u>Figure 5</u> which shows the data range entered was 2/10/2005 to 2/10/2005, but data was returned from 2/09/2005 through 2/11/2005

Figure 5: Vitals Report



An arrow has been placed on the screen capture that points to a "Show Graphs" link. Click on the link to see a screen where you can choose the parameters for the graph as shown in the following screen capture. Currently only one type of Vital can be displayed at a time, i.e., you cannot plot pulse and blood pressure on the same graph.

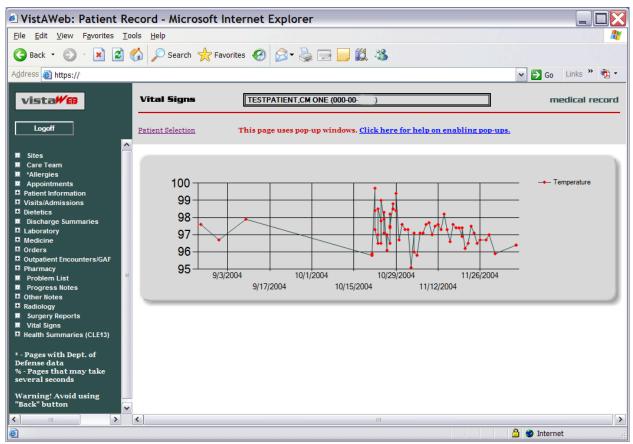
Vital Signs vista#£B medical record Logoff Patient Selection This page uses pop-up windows. Click here for help on enabling pop-ups. ■ Sites Vital Sign Chart Type Dimension Care Team \*Allergies Temperature Appointments **■** Patient Information O Pulse Respiration Line **■** Dietetics O Blood Pressure Discharge Summarie OSpline **■** Laboratory O Height **■** Medicine OBar O Weight **■** Orders O Area ■ Outpatient Encounters OPain **■** Pharmacy O Pulse Oximetry ■ Problem List Progress Notes O Blood Glucose **■** Other Notes **■** Radiology Show Graph Surgery Reports ■ Vital Signs **■** Health Summaries (CL \* - Pages with Dept. of Defense data % - Pages that may take several seconds Warning! Avoid using "Back" button >

Figure 6: Selecting the Graph to Display

To view a graph of a vital sign, select the desired Vital Sign, the Chart Type, and then click on Show Graph.

In this example, a line graph of temperature will be displayed as shown in the next screen capture.

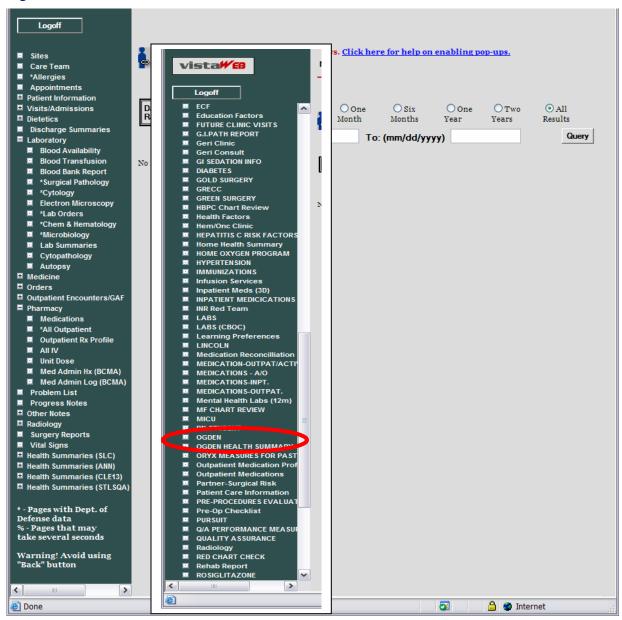
Figure 7: Temperature Graph



### Local and VISN Health Summaries

In addition to national health summaries, VISN and local health summaries are now viewable from VistAWeb as shown in the following screen capture. Health Summaries (SLC) has been expanded to show local summaries for Ogden.

Figure 8: Health Summaries



# **Accessibility**

There are three methods of accessing VistAWeb: through CPRS under the Tools menu, through the Remote Data Available button, or directly from Microsoft's Internet Explorer (IE).

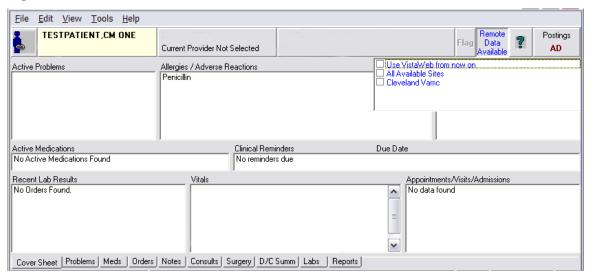
### VistAWeb under the CPRS Tools Menu

Most VistAWeb users will prefer access to VistAWeb by first logging in to CPRS, selecting a patient, and selecting VistAWeb under the Tools menu. VistAWeb will maintain context with the selected patient and retrieve data for that patient from all sites where the patient has visited.

### Access to VistAWeb from CPRS Remote Data Available Button

If **Use VistaWeb from now on** is set, CPRS will launch VistAWeb for you. Additionally, when VistaWeb is launched by CPRS, patient context is maintained. This means that VistAWeb will change patients whenever you do a patient selection in CPRS.

Figure 9: VistAWeb from the Remote Data Available Button



To return to the use of classic Remote Data Views, select Options from the CPRS Tools menu. Go to the Reports tab and select the RDV (Classic) radio button.

Options General Notifications Order Checks Lists/Teams Notes All Reports Change the default date range and occurrence limits for all reports on the CPRS Reports tab (excluding health summary reports). Set All Reports... Individual Reports Change the individual date range and occurrence limits for each report on the CPRS Reports tab (excluding health summary reports). Set Individual Reports... Remote Data Tool Change the default tool for viewing Remote Patient Data How do you want to view remote data-RDV (Classic) VistaWeb OK Cancel

Figure 10: Change the Remote Data View to RDV Classic

### VistAWeb Directly from IE

VistAWeb may also be accessed directly from IE by entering <a href="https://vistaweb.med.va.gov/">https://vistaweb.med.va.gov/</a> in the IE address bar. Users must select their local site for login, then log in using their CPRS/VistA access and verify code pair. It is also possible to use a shortcut to bypass login site selection. That URL is <a href="https://vistaweb.med.va.gov/Login.aspx?ID=<StationID>">https://vistaweb.med.va.gov/Login.aspx?ID=<StationID></a>, where the <a href="https://vistaweb.med.va.gov/Login.aspx?ID=<"https://vistaweb.med.va.gov/Login.aspx?ID=</a> (A listing of station IDs can be found on the Facilities Locator & Leadership Directory page at <a href="http://vaww1.va.gov/directory/guide/rpt\_fac\_list.cfm">http://vaww1.va.gov/directory/guide/rpt\_fac\_list.cfm</a>.)

By default, users will be able to look up only those patients who are in their local VistA site. Data for those patients will be retrieved from all other sites the patient has visited. Some users (researchers or referral coordinators, for example) may need to look up patients who are not in the local VistA. These users will require Special User access, which is discussed later in <a href="Special Users">Special Users</a> and <a href="Requesting Special User Access">Requesting Special User Access</a>.

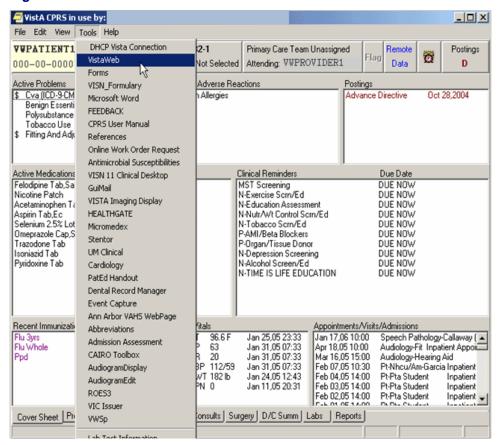
Warning: VistAWeb does not currently alert the user about Patient Record Flags. For safety reasons, clinicians and practitioners should verify through CPRS prior to a visit that a visiting patient does not have any Patient Record Flags that could be of concern.

# **VistAWeb under the CPRS Tools Menu**

# Launching VistAWeb from CPRS

To access VistAWeb, you must first log into CPRS using your access/verify codes, select a patient, and select VistAWeb from the Tools menu.

Figure 11: VistAWeb Access from the CPRS Tools Menu



The very first time you launch VistAWeb from CPRS, a login (using the same access and verify codes as for CPRS) is required. Subsequent uses of VistAWeb do not require a second login.

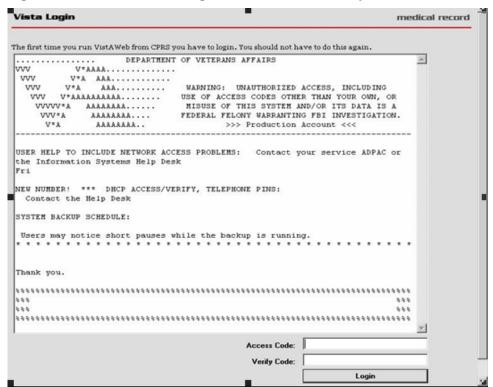


Figure 12: Initial Launch Using CPRS Access and Verify Codes

#### **Patient Context in VistAWeb**

VistAWeb is CCOW compliant and, therefore, maintains context with the patient who was selected in CPRS. VistAWeb retrieves data for that patient from all sites where the patient has visited. When using VistAWeb through the CPRS Tools menu, users will not be able to select a new patient from within the VistAWeb application; however, users may return to CPRS to select a new patient and retrieve data using the Tools menu selection. The new patient will then be viewable in VistAWeb automatically.

To avoid potential patient safety problems, VistAWeb will not open from a CPRS session that is not in context. This can occur when multiple CPRS sessions are open on the desktop. In the following example, two CPRS sessions are open. One session is in context, as indicated by the icon with a blue person and a connected chain link. The other CPRS session is not participating in patient context, as indicated by the icon with red and blue people and a broken chain. The VistAWeb warning message is the result of attempting to launch VistAWeb from the CPRS session that is not in context. VistAWeb forces the user to exit VistAWeb.

VistA CPRS in use by: File Edit View Action Options Tools Help VistA CPRS in use by: File Edit View Action Options Tools Help Last Visit Not Selected Primary Care Team Unassigned Postings: ė Current Provider Not Selected Data AD VistAWeb: Patient Record - Microsoft \_|□|×||hnpy.egn\_ph Patient Mismatch -- Web Page Dialo ? × Favorites Tools WARNING -- VISTAWEB CANNOT RUN The CPRS from which you just launched VistAWeb is not participating in patient Address a https://vistaweb.med.va.gov/MainFsynchronization. For patient safety reasons, VistAWeb cannot run in this mode. To use VistAWeb, please make CPRS join patient synchronization, and then relaunch VistAWeb from the Tools menu. To make CPRS join patient synchronization: In CPRS, choose File/Rejoin patient link. Note: if you have more than one CPRS running, this action may cause other CPRS windows to try to match your patient. Please contact your local IRM help desk for further assistance. VistAWeb Must Exit https://vistaweb.med.va.gov/DfnMismatch.htm Internet Done

Figure 13: Two CPRS Sessions: One in Context, One Not in Context

# **VistAWeb Directly from IE**

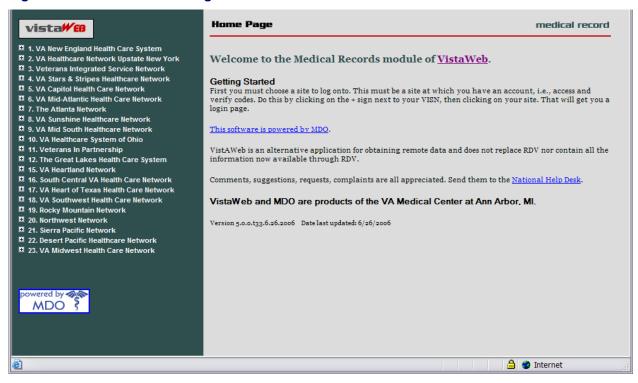
## Launching VistAWeb from IE

In some situations, users may prefer to access VistAWeb directly from IE rather than from within CPRS. Users who have <u>Special User</u> access are a prime example where this implementation may be more suitable.

To launch VistAWeb from IE, enter <a href="https://vistaweb.med.va.gov/">https://vistaweb.med.va.gov/</a> in the IE address bar. Alternatively, you can bypass the VistAWeb login site selection screen by entering: <a href="https://vistaweb.med.va.gov/Login.aspx?ID=<StationID">https://vistaweb.med.va.gov/Login.aspx?ID=<StationID</a>. Be sure to remove the <a href="https://vistaweb.med.va.gov/Login.aspx?ID=<StationID">https://vistaweb.med.va.gov/Login.aspx?ID=<StationID</a>. Be sure to remove the <a href="https://vistaweb.med.va.gov/Login.aspx?ID=<"https://vistaweb.med.va.gov/Login.aspx?ID=</a> symbols and replace "StationID" with your actual Station ID. (A listing of station IDs can be found on the Facilities Locator & Leadership Directory page at <a href="http://vaww1.va.gov/directory/guide/rpt">http://vaww1.va.gov/directory/guide/rpt</a> fac list.cfm.)

Once you have made your login site selection, you may want to save the URL in the IE "Favorites" menu for future ease of access.

Figure 14: VistAWeb Home Page



If you launch VistAWeb directly from IE, you will be required to log into VistAWeb using valid access/verify codes for an account that allows CPRS access (specifically, the account must have the OR CPRS GUI CHART option). To log into VistAWeb, you must select the site where you have an account from the list of sites on the left side of the page. The VistA login page for that site will appear. You should enter your access/verify codes the same way you would enter them in CPRS.

Vista Login vista#£8 ■ 1. VA New England Health Care System 2. VA Healthcare Network Upstate New York
 3. Veterans Integrated Service Network \*\*\*\*\*\* \*\*\*\*\*\*\* \*\*\*\*\*\*\* 4. VA Stars & Stripes Healthcare Network
 5. VA Capitol Health Care Network ........ ........ ........ ■ 6. VA Mid-Atlantic Health Care Network \*\*\*\* .... \*\*\*\* .... ■ 8. VA Sunshine Healthcare Network■ 9. VA Mid South Healthcare Network \*\*\*\* \*\*\*\*\*\* \*\*\*\*\*\*\* \*\*\*\* \*\*\*\* ■ 10. VA Healthcare System of Ohio .... .... ....

Access Code: Verify Code:

Figure 15: VistAWeb - VistA Site-Login Screen

CLE13

**■ 11.** Veterans In Partnership

20. Northwest Network
21. Sierra Pacific Network
22. Desert Pacific Healthcare Network

MDO

Done

☐ 12. The Great Lakes Health Care System☐ 15. VA Heartland Network☐ 16. South Central VA Health Care Network

■ 18. VA Southwest Health Care Network■ 19. Rocky Mountain Network

After you log into VistAWeb, the Patient Selection screen will appear. If you have <u>Special User</u> access, a list of sites for patient selection will be present on the left side of the screen. Special Users may select a site other than their login site for patient selection. All other users will be limited to patient selection from their login site only. In either case, data for the selected patient will be automatically retrieved from all sites where that patient has visited. To learn about requesting Special User access, please read the <u>Requesting Special User Access</u> section of this manual.

Login

\*\*\*\*\*\*\*

The data in this TEST system is protected by the same confidentiality

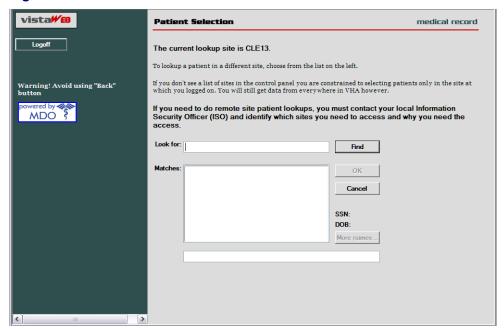
regulations, statutes, and penalties for unauthorized disclosure as the production system.

\*\*\*\*\*\*\*

medical record

🔒 🥥 Internet

Figure 16: Patient Selection



In the example above, the user does not have Special User access; therefore the Patient Selection site is limited to the login site.

## **Special Users**

By default, users of VistAWeb are permitted to select patients that are in the local VistA system where the user logs in. VistAWeb will retrieve data for these patients from all sites where the patients have visited. Some users (researchers or referral coordinators, for example) may need to select patients that are not in the local VistA. These users will require Special User access. Special User access can be granted for one site in addition to the login site, several sites, an entire VISN, or all sites nationally.

After logging in to VistAWeb, Special Users will see the Patient Lookup screen, with a list of sites for patient selection on the left side.

Patient Lookup medical record vista#£8 11. Veterans In Partnership The current lookup site is Battle Creek, MI. Saginaw, MI ■ <sub>I,Battle</sub> Creek, MI etroit, MI To lookup a patient in a different site, choose from the list on the left. Indianapolis, IN Ann Arbor, MI If you don't see a list of sites in the control panel you are constrained to selecting Danville, IL patients only in the site at which you logged on. You will still get data from everywhere in VHA however. Northern Indiana If you need to do remote site patient lookups, you must contact your local Information Security Officer (ISO) and identify which sites you need to access and why you need the access. MDO Look for: [ Find Matches: 0K Cancel SSN-DOB:

Figure 17: Multiple Site (Special User) Patient Lookup

In the example above, the user is a Special User who has access to perform patient selection at all VISN 11 sites, which are listed on the left side of the screen. To select a patient from a site other than the login site, the user must first click on the desired site on the left side of the page and perform patient selection as described in the <a href="Patient Selection">Patient Selection</a> section of this manual. After the Patient Selection page, all VistAWeb functionality for a Special User is the same as for other users and is described in detail in the <a href="Using VistAWeb">Using VistAWeb</a> section of this manual.

# **Requesting Special User Access**

Requests for Special User access fall into one of three categories:

- **National Programs** requiring "Special User" access, such as Blind Rehab, Transplant, War Related Illnesses, and so forth
- VA Researchers requiring "Special User" access for the purpose of approved research projects
- All Others, for example, local users, requiring "Special User" access to multiple VA sites for the purpose of clinical opinions, referral coordination, and so forth

All users requesting "Special User" access will be required to verify completion of the annual VHA Privacy Policy Training and VA Information Security Awareness Course and to sign the Rules of Behavior prior to approval of the request.

Individuals requesting Special User access to VistAWeb should contact VHA CO CAPRI Access at <u>CAPRI.Access@va.gov</u> or Courtney Coduri at 202-273-6274 or Tangie Stevens at 202-273-8849.

# **Using VistAWeb**

### **Patient Selection**

Patient selection in VistAWeb can be performed the same way as in CPRS. You may enter the patient's name, social security number, or the five-digit identifier (first letter of patient's last name plus the last four digits of the patient's social security number). After entering one of these identifiers, you may click your mouse button on the FIND button or press the ENTER key on the keyboard. A list of potential matching patients appears in the box below. You may click your mouse button on the desired patient, and click the mouse again on the OK button or press the ENTER key on the keyboard.

vista#£ß Patient Selection medical record Logoff The current lookup site is CLE13. To lookup a patient in a different site, choose from the list on the left. If you don't see a list of sites in the control panel you are constrained to selecting patients only in the site at Warning! Avoid using "Back" which you logged on. You will still get data from everywhere in VHA however. If you need to do remote site patient lookups, you must contact your local Information MDO Security Officer (ISO) and identify which sites you need to access and why you need the access Look for: CHDR Find Matches: CHDRAMDDTE, NEWRXDDINT V OK CHDRAMDDTE, NEWRXDUP V CHDRAMDDTE VARXTODOD V Cancel CHDRBAPDTE ALRGADD V CHDRBJBDTE, VETSONE V CHDRBJBDTE, VETSTHREE V SSN-CHDRBXWDTE,TESTALRGYTWO V CHDRCCADTE DODNEWRXDAINT D CHDRCCADTE DODNEWRXDDINT D More names Select patient from Match list and click OK

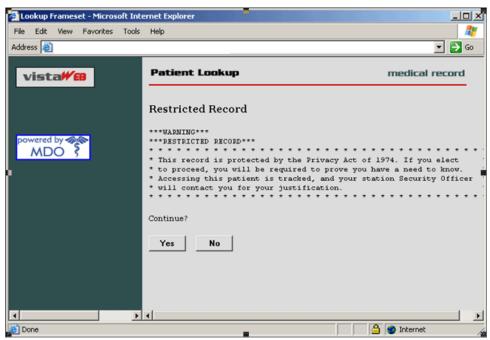
Figure 18: Using the Patient Selection Screen to "Find" a Patient

In the example above, the user does not have Special User access, so patient selection is limited to the local site where the user first logged in. There is no list of alternate patient selection sites on the left side of the page.

# **Sensitive Patient Warning**

Similar to CPRS, VistAWeb displays a warning to you if you select a patient who has been flagged or designated as a Sensitive Patient. VistAWeb differs from CPRS in that it will display the warning message to you if the patient is sensitive in ANY of the sites from where the sensitive data will be retrieved. If you elect to proceed, notification will be sent to the ISO at any and all sites where the sensitive patient data is marked as sensitive.





## Automatic Retrieval of Data from Multiple Sites

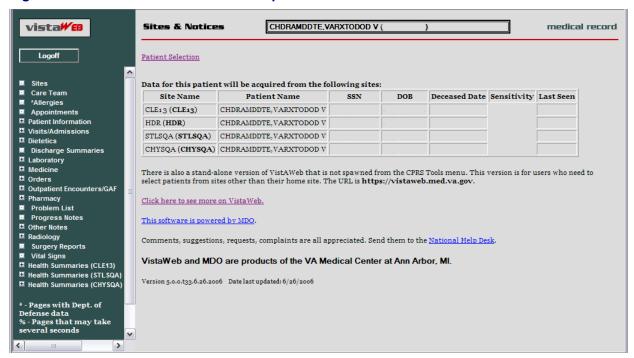
When the patient is first selected, VistAWeb determines how many sites the patient has visited and displays a message similar to the following to let the user know that VistAWeb is connecting to the sites.

Figure 20: Please Wait...Message



The Sites and Notices page is then displayed and includes a list of sites where data for that patient will be retrieved. In the example below, data will be automatically retrieved from DAYTDEV, CLE13, and HDR. On the left side of the screen, there is a list of reports for which VistAWeb is able to retrieve patient data. For more detail regarding the type of reports, refer to the Expanded List of All Reports section of this manual.

Figure 21: Patient Data Available at Multiple Sites



# **Expanded List of All Reports**

A complete list of all data elements retrieved by VistAWeb is shown below. The list is very similar to the list of reports on the Reports tab in CPRS and operates in the same manner. Entries preceded by a plus sign (+) may be expanded to show sub-reports by clicking the mouse on the plus sign (+). Expanded lists can be collapsed by clicking the mouse on the minus sign (-).

Data elements and reports that are preceded by an asterisk (\*) will include Department of Defense data, whenever available, if the data has been entered into the system. Data elements preceded by a percent sign (%) may take a few extra seconds to download. See the sample list below; note, however, the list is typically displayed down the left side of the screen but has been condensed below to consolidate it into a single screen capture.

Figure 22: Expanded List of Reports



Note: Vitals data entered through Home Telehealth is now shown in the Vitals report. Data coming from Home Telehealth is designated in the Site column of the Vitals report as HT. See the example under <u>Data Grid</u>.

# **Report Examples**

There are over 80 different reports available in VistAWeb. A representative sampling is presented here to demonstrate the different types of reports and formatting options.

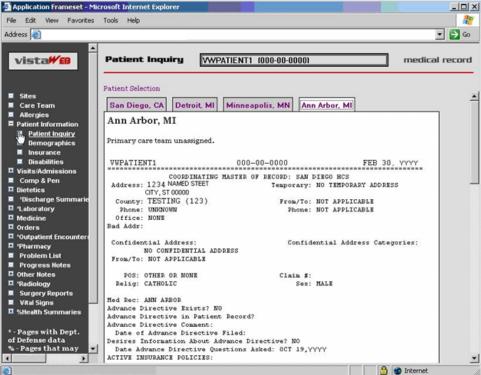
### **Text Reports**

Text reports are the most basic of all reports available to users. Text is displayed in a non-interactive mode and is very similar to the corresponding reports found in CPRS from the Reports tab. One example of a Text report is the Patient Inquiry report. All site data is retrieved for the desired report selected, and the patient's data for the associated site is placed within the tab from where the data was retrieved. In the example below, there are four tabs:

San Diego, CA, Detroit, MI, Minneapolis, MN and Ann Arbor, MI. To view data retrieved from Ann Arbor, MI for the selected patient, click the mouse on the Ann Arbor, MI tab.

This behavior is true for all site tabs where a patient's data has been retrieved.





### Text Report with Date Range Option

Some reports provide you with the option to specify a time period or date range and the number records to return. In this example report of Progress Notes, the initial default query is performed for a one-year time period and the maximum number of notes (plus associated addenda) per site to return is defaulted to 50. You may select a different time period or enter a From/To date range and you may specify a different number of notes to return. Click the mouse on the Query button to run the report for the new time period or date range and number of notes. Note that if the default number is deleted, and either nothing is entered or a 0 (Zero) is entered, all notes and associated addenda within the specified time period will be displayed.

Progress Notes vista#£6 TESTPATIENT, CM ONE (000-00medical record Logoff This page uses pop-up windows. Click here for help on enabling pop-ups. Patient Selection Date Range: Oroday One Week Orwo Weeks One Month Osix Months One Year Orwo Years Care Team \*Allergies From: (mm/dd/yyyy) To: (mm/dd/yyyy) Number: 50 Patient Informat A maximum of 50 notes per site (plus associated addendums) will be displayed regardless of the number of notes available within the No progress notes were found Problem List

Figure 24: Progress Notes Report with Date Range, Number, and Query

### Predefined Filtering and Date Range

Some reports require you to enter the date range before the report will appear. This is the case for queries that have the potential to return very large amounts of data or where filtering the data lends usability to the report. Summaries, such as Discharge, Lab, some Order summaries, and both of the Med Admin Hx (BCMA) and Med Admin Log (BCMA) reports, tend to generate large volumes of data. Narrowing the date range for a report for a patient's summary data may improve the data retrieval performance time. Some reports that do not require a date range include, but are not limited to, the following: Sites, Care Team, Appointments, Patient Inquiry, Patient Demographics, Patient Insurance, Dietetics Profile, Blood Bank, Daily Order Summary, Medications, All Outpatient, Outpatient Rx Profile, All IV, Imaging, and Vital Signs.

Application Frameset - Microsoft Internet Explorer File Edit View Favorites Tools Help Address 🥙 ▼ 🔁 Go vista**#£** VVPATIENT1 (000-00-0000) Lab Reports medical record Patient Selection Care Team C All CLab C Anatomic Report Type: C Microbiology Pathology Allergies Cumulative Tests by Bank Status Visits/Admissio Date Range Cone C Two Cone Csix Cone C Two Today Week Comp & Pen Weeks Month Months Year Years Results Query 'Pharmacy Problem List 🔒 🍪 Internet

Figure 25: Date Range for Lab and Other Large Volume Reports

### **Data Grid**

The Data Grid report presents data in the form of a grid or table. The example Vital Signs report below has a date range option. Most data tables may be sorted in multiple ways. The <u>underlined</u> column headers indicate which columns may be used for sorting. In the example below, sort by any of the underlined headers. Numerical data will be presented in descending numerical order, highest to lowest or latest date to earliest date, depending on the column selected. The other columns will be reordered based on how the selected column is ordered, for example if temperature were selected for sorting, the sort order of dates would no longer be chronologically latest to earliest. Likewise, if an alphabetical column is selected for sorting, it will sort from A to Z and all the other columns will be reordered accordingly.

vista₩£ß Vital Signs medical record This page uses pop-up windows. Click here for help on enabling pop-ups Patient Selection Show Graphs Date Range: O Today O One Week O Two Weeks O One Month O Six Months O One Year O Two Years O Use From, To Dates To: (mm/dd/yyyy) 
 View Detail
 Date
 Temper

 View Details
 12/22/2005 10:36:00
 100
 Temperature Pulse Respiration SBP DBP Ht Wt Pain Pulse Oximetry Blood Glucose ST. LOUIS MO VAMC-JB DIVISION 66 40 66 40 120 80 View Details 12/22/2005 10:35:00 100 120 80 ST. LOUIS MO VAMC-JB DIVISIONS 
 View Details 11/28/2005 11:18:00 100
 62
 40

 View Details 11/08/2005 11:46:00 102
 62
 40

 View Details 11/08/2005 11:46:00 102
 62
 40

 View Details 11/08/2005 11:46:00 102
 62
 40
 125 77 65 140 0 121 80 65 140 0 92 121 78 65 140 0 CHEYENNE VAMC\* CLEVELAND VAMC\* CHEYENNE VAMC\* View Details 10/12/2005 15:51:00 100 View Details 09/27/2005 17:25:00 ST. LOUIS MO VAMC-JC DIVISION\* View Details 09/27/2005 17:02:00 99.1 View Details 09/27/2005 1/62500 99.1 View Details 09/27/2005 09:50:00 98 View Details 09/22/2005 09:35:00 100 HT ST. LOUIS MO VAMC-JC DIVISION\* ST. LOUIS MO VAMC-JC DIVISION\* 150 95 72 210 0 140 90 72 200 0 65 50 80 45 View Details 09/07/2005 15:57:00 99
View Details 09/01/2005 17:51:00 98.8
View Details 09/01/2005 13:00:00 98.7
View Details 08/03/2005 14:16:00 98.6 99 79 79 219 9 142 92 79 210 2 141 91 78 209 1 140 90 77 208 0 ST. LOUIS MO VAMC-JC DIVISION\* Pages with Dept. of Defense ST. LOUIS MO VAMC-JC DIVISION\* ST. LOUIS MO VAMC-JC DIVISION\* data % - Pages that may take several 60 50 ST. LOUIS MO VAMC-JC DIVISION\* View Details 07/27/2005 09:33:00 100 View Details 07/22/2005 16:07:00 104 View Details 07/21/2005 15:28:00 98.6 ST. LOUIS MO VAMC-JC DIVISION\* 180 100 76 200 7 300 100 12 660 10 ST. LOUIS MO VAMC-JC DIVISION\* ST. LOUIS MO VAMC-JC DIVISION\* View Details 07/21/2005 09:50:00 98.6 140 90 60 150 ST. LOUIS MO VAMC-JB DIVISION\* [back to top]

Figure 26: Vital Sign Report Presented as Table

In the previous screen capture, note that three of the Site column listings display HT as the site where the vitals were taken. The HT indicates the data was supplied through the Home Telehealth interface.

When you select View Details from the Vital Signs page, additional information is provided about the method of data entry, qualifiers, vitals measuring devices, and that data standardization has been accomplished for vital signs.

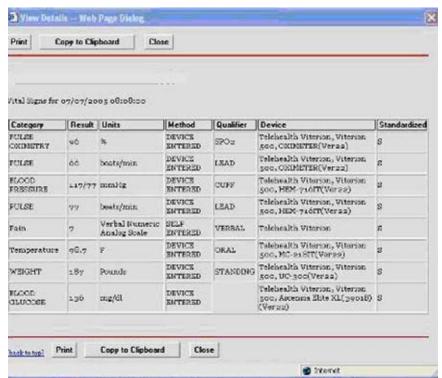
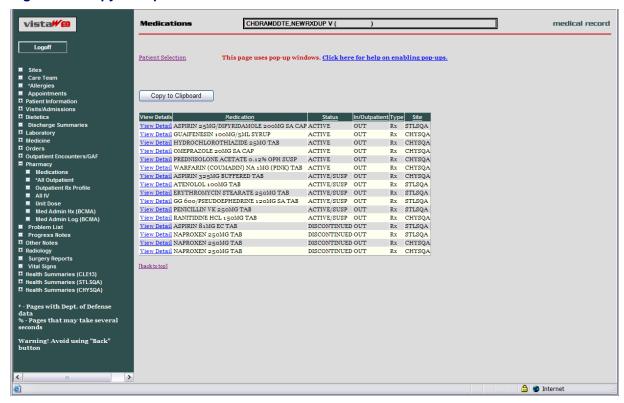


Figure 27: View Details of Vital Signs Report

### Data Grid with Copy to Clipboard Option

The following is an example of a Medications report with an option to copy data to the clipboard. Providers often find it useful to copy lists of active and suspended medications to a patient note. When you click the mouse on the Copy to Clipboard button, the list of Active and Suspended medications is automatically copied to the clipboard and grouped by Status. Discontinued and expired medications are not copied. The list can be pasted into another document or a Progress Note within CPRS (see the next screen capture for an example).

Figure 28: Copy to Clipboard



The following screen capture shows active and suspended medications from a Medications report grouped by Status and pasted into a CPRS note.

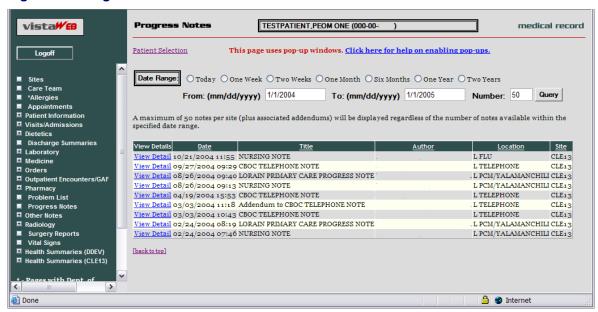
VistA CPRS in use by \_ | U × Tools Help UC GM-TEAM 4 No Postings TESTPATIENT Remote Current Provider Not Selected Data Last 200 Signed Notes LIBGENT CARE Change... URGENT CARE-DAYS 🖃 🎏 New Note in Progress LIBGENT CARE LIBGE ALBUTEROL 90MCG 200D ORAL INHL - ACTIVE (Ann Arbor, MI) \_ All signed notes ASPIRIN 81MG EC TAB - ACTIVE (Ann Arbor, MI) Ambulatory Care Nursing
Dermatology Outpatient Note NIACIN (NIASPAN-KOS) 500MG SA TAB - ACTIVE (Ann Arbor, MI) NITROGLYCERIN 0.4MG SL TAB - ACTIVE (Ann Arbor, MI) Gi Outpatierii voca Gi Procedure Colonoscopy FLUOXETINE HCL 20MG CAP - ACTIVE (Ann Arbor, MI) INSULIN NPH HUMAN 100 U/ML INJ NOVOLIN N - ACTIVE (Ann Arbor, MI) Gi Proced
Hopte
Hopte
Hodicatic
Hopte
Medicatic
Hopte
No-Show
Hopte
Oblitation Gi Procedure Upper Endoscopy INSULIN SYRINGE O.SML LOW DOSE 29G O.SIN - ACTIVE (Ann Arbor, MI) ALCOHOL PREP PAD - ACTIVE (Ann Arbor, MI) ACCU-CHEK COMFORT CURVE-H TEST STRIP - ACTIVE (Ann Arbor, MI) Medication Education LANCET - ACTIVE (Ann Arbor, MI) Medicine Telephone ETODOLAC 400MG TAB - ACTIVE GLIPIZIDE 5MG TAB - ACTIVE (Ann Arbor, MI) Mhc Consult (Ann Arbor, MI) No-Show Note SIMVASTATIN SOMG TAB - ACTIVE (Ann Arbor, MI) LISINOPRIL 5MG TAB - SUSPENDED (Ann Arbor, MI) METFORMIN HCL 1000MG TAB - SUSPENDED (Ann Arbor, MI) Ophthalmology Consult
 Orthopedics Outpatient Note Ophthalmology Consult Patient Educa
Physical Ther
Physical Ther
Primary Care I
Primary Care
Primary Care Patient Education Physical Therapy Consult Ι Physical Therapy Progress Primary Care Preventive Health Psy Evaluation Psy No Show - Cancel - Reschedule Psy Telephone / Templates / Reminders <No encounter information entered> Cover Sheet | Problems | Meds | Orders | Notes | Consults | Surgery | D/C Summ | Labs | Reports |

Figure 29: CPRS - Medications Pasted into Progress Note from VistAWeb

### Data Grid with View Detail

The Data Grid with a View Detail report column option permits you to view additional detail about a selected item in a row. In this example, Progress Notes titles are listed in VistAWeb. To view the actual text of the note, click the mouse on <u>View Detail</u> for the desired progress note.

Figure 30: Progress Notes



The detail of the selected note would appear in a pop-up box, represented in the example below, which may be printed or closed using the mouse to click on either option.

Figure 31: View Details of Progress Note

